

FEB 01 1982

DPM 3285

DAC 25-1837 (REV. 8-70)

HAZARDOUS MATERIALS DATA SHEET
(PLEASE COMPLETE APPLICABLE SECTIONS)

1. PRODUCT NAME, NUMBER, SYNONYM: Turco HTC (3881-3)
2. MANUFACTURER'S NAME: Turco Products, Inc.
3. MANUFACTURER'S ADDRESS: 24600 So. Main St., Wilmington, Calif. 90745
4. PROCEDURE IN CASE OF BREAKAGE OR LEAKAGE: Flush to sewer with water.
5. TRANSPORTATION AND STORAGE REQUIREMENTS: Transport and store in closed container.
Temperature: 0-130°F
6. FIRST AID TREATMENT:
- A. SKIN CONTACT: Wash with soap and water
- B. EYE CONTACT: Flush with copious amounts of water. Obtain medical attention.
- C. INHALATION: Remove to fresh air. Obtain medical attention if irritation from inhaling dust of product persists.
- D. ANTIDOTE IN CASE OF SWALLOWING: Do not induce vomiting. Give citrus juices. Obtain medical attention.
7. PHYSIOLOGICAL PROPERTIES:
- A. ACUTE ORAL TOXICITY: Moderate to severe
- B. LOCAL EFFECTS UPON EYES: Severe damage to tissue
- C. LOCAL EFFECTS UPON SKIN: May cause caustic burns
- D. ESTIMATE OF ACUTE HAZARD BY INHALATION (VOLATILE MATERIALS): NA No volatile materials
- E. WARNING PROPERTIES (ODOR, IRRITATION TO EYES, NOSE OR THROAT): Irritation of eyes, nose and throat (dust)
- F. ESTIMATED THRESHOLD LIMIT VALUE (IF NOT ON CURRENT LIST BY AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS): 2 Mg/M³
8. CHEMICAL AND PHYSICAL PROPERTIES:
- A. SPECIFIC GRAVITY (WATER = 1) NA
- B. VAPOR DENSITY (AIR = 1) NA
- C. VAPOR PRESSURE mm Hg AT 25°C. Less than 5 mm
- D. pH 13+
- E. CORROSIVE ACTION ON COMMON MATERIALS SUCH AS: ALUMINUM, MAGNESIUM, PLEXIGLAS, RUBBER, LACQUERS, ENAMELS, FABRICS: Product corrosive to aluminum, zinc, tin, most paints and wool.

F. DOES THE MATERIAL DECOMPOSE WHEN EXPOSED TO AIR? WATER? HEAT? STRONG OXIDIZERS? Avoid acids

G. FOR MIXTURES GIVE THE PERCENTAGE COMPOSITION OF INGREDIENTS:

COMPOUND	PERCENT
Sodium hydroxide	40-50
Sodium silicate and carbonate	40-50
Sodium sulfonate	3-5
Polyethoxy ethanol	Less than 5

NOTE: GENERALIZATIONS SUCH AS PETROLEUM HYDROCARBONS, ALCOHOL, KETONES, CHLORINATED HYDROCARBONS, ETC., ARE NOT ADEQUATE FOR TOXICOLOGICAL EVALUATION. PROPER CHEMICAL NAMES MUST BE KNOWN.

H. DOES THE MATERIAL GENERATE HEAT THROUGH POLYMERIZATION OR CONDENSATION? No

9. PRECAUTIONS FOR NORMAL CONDITIONS OF USE: Avoid breathing dust. Avoid contact with eyes, skin and clothing.

10. RECOMMENDED PROTECTIVE EQUIPMENT: Dust mask when handling dry product. Face shield, rubber gloves and aprons.

11. A. FLASHPOINT °F: CLOSED CUP None; OPEN CUP None; IF F.P. CHANGES DURING EVAPORATION GIVE DATA:

B. EXPLOSIVE LIMITS (% VOL. AIR): LOWER Unknown; UPPER Unknown

C. SUSCEPTIBILITY TO SPONTANEOUS HEATINGS: YES _____; NO X

D. FIRE POINT °F Unknown; AUTO IGNITION TEMPERATURE °F Unknown

E. VAPOR DENSITY NA

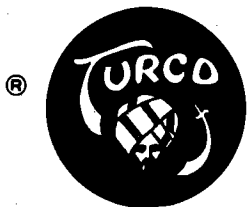
F. WHAT PRODUCTS MIGHT BE FORMED IN THE EVENT OF FIRE OR ABNORMAL TEMPERATURES? Carbon dioxide

G. SUITABLE EXTINGUISHING AGENTS: Carbon dioxide

12. INFORMATION FURNISHED BY: A. E. Zaelke
TITLE: Chief Technical Service Engineer
COMPANY: Turco Products, Inc.
ADDRESS: 24600 So. Main St.,
Wilmington, Calif. 90745
DATE: 11/19/71

NOTE: INFORMATION IN REGARD TO A MATERIAL'S COMPOSITION WILL BE USED FOR THE PURPOSE OF COMPLYING WITH LOCAL, STATE AND FEDERAL ORDINANCES, LAWS AND CODES, AND REQUIREMENTS OF GOVERNMENTAL AGENCIES.

THE COMPLETED FORM SHOULD BE RETURNED TO PURCHASING, DOUGLAS AIRCRAFT DIVISION, LONG BEACH, CALIF. 90801.

**TECHNICAL****DATA****BULLETIN NO.****105-6**

TURCO PRODUCTS • A DIVISION OF PUREX CORPORATION, LTD. • WILMINGTON, CALIFORNIA 90744 • OFFICES IN ALL PRINCIPAL CITIES

Date: March 19, 1965
Revised: July 28, 1971

TURCO HTC

HOT TANK ALKALINE CLEANER FOR FERROUS METALS

DESCRIPTION

TURCO HTC is a granular, free-flowing material specifically compounded for the hot tank cleaning of steel, magnesium and titanium.

PROPERTIES

Effectively removes all traces of oil, grease, shop soils, forming compounds, drawing oils, grease pencil markings and mill inks. Free-rinsing; provides a water-break-free surface.

Low foaming; permits air agitation to provide better, more rapid cleaning.

Long tank life; more economical to use.

Can be used on all ferrous metals; mild steel tank and heating coils are satisfactory.

USE INSTRUCTIONS

TURCO HTC is used at 6 to 12 ounces per gallon of water at 200° to 210°F. Add slowly to water using agitation to assure the complete dissolving of the compound.

For maximum cleaning efficiency use mechanical or air agitation.

Rinse parts removed from the TURCO HTC in a dip, overflowing rinse tank. For optimum rinsing and removal of mill inks, etc. a high pressure rinse is desired. (Turco Air-Water Rinser) after the dip rinse. NOTE: If obdurate inks or paints are encountered, an addition of 1 to 3% by volume of Turco Strip-Add is suggested.

LIMITATIONS

TURCO HTC is not recommended for the cleaning of reactive metals.

CAUTION

TURCO HTC contains sodium hydroxide. Avoid contact with skin, eyes and clothing. Refer to product label for additional precautionary and handling information.

PACKAGING

TURCO HTC is packaged in 125# steel kegs and 450# steel drums.

SHIPPING

TURCO HTC is packed in approved I. C. C. containers and can be sent via air, truck, rail, ship, railway express, parcel post (if in a suitable container) anywhere within the Continental limits of the United States.

NOTICE

The above information and recommendations concerning this product are based upon our laboratory tests and field use experience, however since conditions of actual use are beyond our control, any recommendations or suggestions are made without warranty, express or implied. Manufacturer's and seller's sole obligation shall be to replace that portion of the product shown to be defective. Neither shall be liable for any loss, damage or injury, direct or consequential, arising out of the use of this product.

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